

Substitute Spec.  
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BS



## SUBSTITUTE SPECIFICATION

### SPECIFICATION Surface Acoustic Wave Filter

This application is a U.S. National phase application PCT  
5 International Application PCT/JP04/012324.

#### Technical Field

The present invention relates to a surface acoustic wave filter used  
for various communication devices.

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#### Prior Art

A conventional surface acoustic wave filter (hereinafter referred to as  
SAW filter) will be described with reference to FIG. 14. The conventional  
SAW filter has: first dielectric layer 72, second dielectric layer 78, cavity 80,  
15 and metal plate 81. First dielectric layer 72 has, at the lower face thereof,  
transmission terminal 68, reception terminal 69, antenna terminal 70, and  
first ground electrode 71 and has, at the upper face thereof, transmission  
lines 73, 74, 75, 76, and 77. Second dielectric layer 78, provided so as to  
be opposed to transmission lines 73, 74, 75, 76, and 77, has at the upper face  
20 thereof second ground electrode 79. Cavity member 80 is provided so as to  
be opposed to second ground electrode 79 and has at the center thereof an  
opening section to provide a hollow shape. The upper side of cavity  
member 80 has metal plate 81 welded thereto to close the opening section of  
cavity member 80, thereby providing a package.

25 Surface acoustic wave element 82 is mounted at the upper face of  
second ground electrode 79. This surface acoustic wave element 82 is  
provided so as not to have contact with cavity member 80 and metal plate 81.  
With regards to the conventional SAW filter having the structure as  
described above, the passage characteristic between transmission terminal